

## § 63.105

shall demonstrate that the necessary parts or personnel were not available.

(f)(1) *Required records.* The owner or operator shall retain the records identified in paragraphs (f)(1)(i) through (f)(1)(iv) of this section as specified in § 63.103(c)(1).

(i) Monitoring data required by this section indicating a leak and the date when the leak was detected, and if demonstrated not to be a leak, the basis for that determination;

(ii) Records of any leaks detected by procedures subject to paragraph (c)(2) of this section and the date the leak was discovered;

(iii) The dates of efforts to repair leaks; and

(iv) The method or procedure used to confirm repair of a leak and the date repair was confirmed.

(2) *Reports.* If an owner or operator invokes the delay of repair provisions for a heat exchange system, the following information shall be submitted in the next semi-annual periodic report required by § 63.152(c) of subpart G of this part. If the leak remains unrepaired, the information shall also be submitted in each subsequent periodic report, until repair of the leak is reported.

(i) The owner or operator shall report the presence of the leak and the date that the leak was detected.

(ii) The owner or operator shall report whether or not the leak has been repaired.

(iii) The owner or operator shall report the reason(s) for delay of repair. If delay of repair is invoked due to the reasons described in paragraph (e)(2) of this section, documentation of emissions estimates must also be submitted.

(iv) If the leak remains unrepaired, the owner or operator shall report the expected date of repair.

(v) If the leak is repaired, the owner or operator shall report the date the leak was successfully repaired.

[62 FR 2733, Jan. 17, 1997]

### § 63.105 Maintenance wastewater requirements.

(a) Each owner or operator of a source subject to this subpart shall comply with the requirements of paragraphs (b) through (e) of this section

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for maintenance wastewaters containing those organic HAP's listed in table 9 of subpart G of this part.

(b) The owner or operator shall prepare a description of maintenance procedures for management of wastewaters generated from the emptying and purging of equipment in the process during temporary shutdowns for inspections, maintenance, and repair (i.e., a maintenance-turn-around) and during periods which are not shutdowns (i.e., routine maintenance). The descriptions shall:

(1) Specify the process equipment or maintenance tasks that are anticipated to create wastewater during maintenance activities.

(2) Specify the procedures that will be followed to properly manage the wastewater and control organic HAP emissions to the atmosphere; and

(3) Specify the procedures to be followed when clearing materials from process equipment.

(c) The owner or operator shall modify and update the information required by paragraph (b) of this section as needed following each maintenance procedure based on the actions taken and the wastewaters generated in the preceding maintenance procedure.

(d) The owner or operator shall implement the procedures described in paragraphs (b) and (c) of this section as part of the start-up, shutdown, and malfunction plan required under § 63.6(e)(3) of subpart A of this part.

(e) The owner or operator shall maintain a record of the information required by paragraphs (b) and (c) of this section as part of the start-up, shutdown, and malfunction plan required under § 63.6(e)(3) of subpart A of this part.

[59 FR 19454, Apr. 22, 1994, as amended at 60 FR 63626, Dec. 12, 1995]

### § 63.106 Delegation of authority.

(a) In delegating implementation and enforcement authority to a State under Section 112(l) of the CAA, the authorities contained in paragraph (b) of this section shall be retained by the Administrator and not transferred to a State.

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(b) Authorities which will not be delegated to States: § 63.102(b) of this subpart, § 63.150(i)(1) through (i)(4) of subpart G of this part, and § 63.177 of subpart H of this part.

[59 FR 19454, Apr. 22, 1994, as amended at 61 FR 64575, Dec. 5, 1996]

TABLE 1 TO SUBPART F—SYNTHETIC ORGANIC CHEMICAL MANUFACTURING INDUSTRY CHEMICALS

Chemical name <sup>a</sup>	CAS No. <sup>b</sup>	Group
Acenaphthene .....	83329	V
Acetal .....	105577	V
Acetaldehyde .....	75070	II
Acetamide .....	60355	II
Acetanilide .....	103844	II
Acetic acid .....	64197	II
Acetic anhydride .....	108247	II
Acetoacetanilide .....	102012	III
Acetone .....	67641	I
Acetone cyanohydrin .....	75865	V
Acetonitrile .....	75058	I
Acetophenone .....	98862	I
Acrolein .....	107028	IV
Acrylamide .....	79061	I
Acrylic acid .....	79107	IV
Acrylonitrile .....	107131	I
Adiponitrile .....	111693	I
Alizarin .....	72480	V
Alkyl anthraquinones .....	008	V
Allyl alcohol .....	107186	I
Allyl chloride .....	107051	IV
Allyl cyanide .....	109751	IV
Aminophenol sulfonic acid .....	0010	V
Aminophenol (p-) .....	123308	I
Aniline .....	62533	I
Aniline hydrochloride .....	142041	III
Anisidine (o-) .....	90040	II
Anthracene .....	120127	V
Anthraquinone .....	84651	III
Azobenzene .....	103333	I
Benzaldehyde .....	100527	III
Benzene .....	71432	I
Benzenedisulfonic acid .....	98486	I
Benzenesulfonic acid .....	98113	I
Benzil .....	134816	III
Benzilic acid .....	76937	III
Benzioic acid .....	65850	III
Benzoin .....	119539	III
Benzonitrile .....	100470	III
Benzophenone .....	119619	I
Benzotrichloride .....	98077	III
Benzyl chloride .....	98884	III
Benzyl acetate .....	140114	III
Benzyl alcohol .....	100516	III
Benzyl benzoate .....	120514	III
Benzyl chloride .....	100447	III
Benzyl dichloride .....	98873	III
Biphenyl .....	92524	I
Bisphenol A .....	80057	III
Bisphenol .....	542881	I
Bis(Chloromethyl) Ether .....	108861	I
Bromobenzene .....	75252	V
Bromoform .....	27497514	IV
Bromonaphthalene .....	106990	II
Butadiene (1,3-) .....	110634	I
Butanediol (1,4-) .....	141322	V
Butyl acrylate (n-) .....	107880	II
Butylene glycol (1,3-) .....	96480	I
Butyrolactone .....	105602	II

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TABLE 1 TO SUBPART F—SYNTHETIC ORGANIC CHEMICAL MANUFACTURING INDUSTRY CHEMICALS—Continued

Chemical name <sup>a</sup>	CAS No. <sup>b</sup>	Group
Carbaryl .....	63252	V
Carbazole .....	86748	V
Carbon disulfide .....	75150	IV
Carbon tetrabromide .....	558134	II
Carbon tetrachloride .....	56235	I
Carbon tetrafluoride .....	75730	II
Chloral .....	75876	II
Chloroacetic acid .....	79118	II
Chloroacetophenone (2-) .....	532274	I
Chloroaniline (p-) .....	106478	II
Chlorobenzene .....	108907	I
2-Chloro-1,3-butadiene (Chloroprene) .....	126998	II
Chlorodifluoroethane .....	25497294	V
Chlorodifluoromethane .....	75456	I
Chloroform .....	67663	I
Chloronaphthalene .....	25586430	IV
Chloronitrobenzene (m-) .....	121733	I
Chloronitrobenzene (o-) .....	88733	I
Chloronitrobenzene (p-) .....	100005	I
Chlorophenol (m-) .....	108430	II
Chlorophenol (o-) .....	95578	II
Chlorophenol (p-) .....	106489	II
Chlorotoluene (m-) .....	108418	III
Chlorotoluene (o-) .....	95498	III
Chlorotoluene (p-) .....	106434	III
Chlorotrifluoromethane .....	75729	II
Chrysene .....	218019	V
Cresol and cresylic acid (m-) .....	108394	III
Cresol and cresylic acid (o-) .....	95487	III
Cresol and cresylic acid (p-) .....	106445	III
Cresols and cresylic acids (mixed) .....	1319773	III
Cumene .....	98828	I
Cumene hydroperoxide .....	80159	I
Cyanoacetic acid .....	372098	II
Cyclohexane .....	110827	I
Cyclohexanol .....	108930	I
Cyclohexanone .....	108941	I
Cyclohexylamine .....	108918	III
Cyclooctadienes .....	29965977	II
Decahydronaphthalene .....	91178	IV
Diacetox-2-Butene (1,4-) .....	0012	V
Diaminophenol hydrochloride .....	137097	V
Dibromomethane .....	74953	V
Dichloroaniline (mixed isomers) .....	27134276	I
Dichlorobenzene (p-) .....	106467	I
Dichlorobenzene (m-) .....	541731	I
Dichlorobenzene (o-) .....	95501	I
Dichlorobenzidine .....	91941	I
(3,3"-). .....		
Dichlorodifluoromethane .....	75718	I
Dichloroethane (1,2-) .....	107062	I
(Ethylenedichloride) (EDC). .....		
Dichloroethyl ether (bis(2-chloroethyl)ether) .....	111444	I
Dichloroethylene (1,2-) .....	540590	II
Dichlorophenol (2,4-) .....	120832	III
Dichloropropene (1,3-) .....	542756	II
Dichlotetrafluoro-ethane .....	1320372	V
Dichloro-1-butene (3,4-) .....	760236	II
Dichloro-2-butene (1,4-) .....	764410	V
Diethanolamine (2,2'-Iminodiethanol) .....	111422	I
Diethyl sulfate .....	64675	II
Diethylamine .....	109897	IV
Diethylaniline (2,6-) .....	579668	V
Diethylene glycol .....	111466	I
Diethylene glycol dibutyl ether .....	112732	I

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TABLE 1 TO SUBPART F—SYNTHETIC ORGANIC CHEMICAL MANUFACTURING INDUSTRY CHEMICALS—Continued

Chemical name <sup>a</sup>	CAS No. <sup>b</sup>	Group
Diethylene glycol diethyl ether .....	112367	I
Diethylene glycol dimethyl ether .....	111966	I
Diethylene glycol monobutyl ether acetate.	124174	I
Diethylene glycol monobutyl ether ....	112345	I
Diethylene glycol monoethyl ether acetate.	112152	I
Diethylene glycol monoethyl ether ....	111900	I
Diethylene glycol monoethyl ether ...	112594	V
Diethylene glycol monomethyl ether acetate.	629389	V
Diethylene glycol monomethyl ether .....	111773	I
Dihydroxybenzoic acid (Resorcylic acid).	27138574	V
Dimethylbenzidine (3,3').	119937	II
Dimethyl ether .....	115106	IV
Dimethylformamide (N,N-) .....	68122	II
Dimethylhydrazine (1,1-).	57147	II
Dimethyl sulfate .....	77781	I
Dimethyl terephthalate .....	120616	II
Dimethylamine .....	124403	IV
Dimethylaminoethanol (2-) .....	108010	I
Dimethylaniline (N,N') .....	121697	III
Dinitrobenzenes (NOS) <sup>c</sup>	25154545	I
Dinitrophenol (2,4-) .....	51285	III
Dinitrotoluene (2,4-) .....	121142	III
Dioxane (1,4-) (1,4-Diethyleneoxide)	1239	11I
Dioxolane (1,3-) .....	646060	I
Diphenyl methane .....	101815	I
Diphenyl oxide .....	101848	I
Diphenyl thiourea .....	102089	III
Diphenylamine .....	122394	III
Dipropylene glycol .....	110985	I
Di-o-tolyguanidine .....	97392	III
Dodecanoic acid .....	693232	I
Dodecyl benzene (branched) .....	123013	V
Dodecyl phenol (branched) .....	121158585	V
Dodecylaniline .....	28675174	V
Dodecylbenzene (n-) .....	121013	I
Dodecylphenol .....	27193868	III
Epichlorohydrin (1-chloro-2,3-epoxypropane).	106898	I
Ethanolamine .....	141435	I
Ethyl acrylate .....	140885	II
Ethylbenzene .....	100414	I
Ethyl chloride (Chloroethane) .....	75003	IV
Ethyl chloroacetate .....	105395	II
Ethylamine .....	75047	V
Ethyylaniline (N-) .....	103695	III
Ethyylaniline (o-) .....	578541	III
Ethylcellulose .....	9004573	V
Ethylcyanoacetate .....	105566	V
Ethylene carbonate .....	96491	I
Ethylene dibromide (Dibromoethane)	106934	I
Ethylene glycol .....	107211	I
Ethylene glycol diacetate .....	111557	I
Ethylene glycol dibutyl ether .....	112481	V
Ethylene glycol diethyl ether (1,2-dioxyethane).	629141	I
Ethylene glycol dimethyl ether .....	110714	I
Ethylene glycol monoacetate .....	542596	V
Ethylene glycol monobutyl ether acetate.	112072	I
Ethylene glycol monobutyl ether .....	111762	I
Ethylene glycol monoethyl ether acetate.	111159	I
Ethylene glycol monoethyl ether .....	110805	I

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TABLE 1 TO SUBPART F—SYNTHETIC ORGANIC CHEMICAL MANUFACTURING INDUSTRY CHEMICALS—Continued

Chemical name <sup>a</sup>	CAS No. <sup>b</sup>	Group
Ethylene glycol monoethyl ether .....	112254	V
Ethylene glycol monomethyl ether .....	110496	I
Ethylene glycol monomethyl ether acetate.		
Ethylene glycol monomethyl ether ....	109864	I
Ethylene glycol monooctyl ether .....	002	V
Ethylene glycol monophenyl ether .....	122996	I
Ethylene glycol monopropyl ether .....	2807309	I
Ethylene oxide .....	75218	I
Ethylenediamine .....	107153	II
Ethylenediamine tetraacetic acid .....	60004	V
Ethylenimine (Aziridine) .....	151564	II
Ethylhexyl acrylate (2-isomer) .....	103117	II
Fluoranthene .....	206440	V
Formaldehyde .....	50000	I
Formamide .....	75127	II
Formic acid .....	64186	II
Fumaric acid .....	110178	I
Glutaraldehyde .....	111308	IV
Glyceraldehyde .....	367475	V
Glycerol .....	56815	II
Glycine .....	56406	II
Glyoxal .....	107222	II
Hexachlorobenzene .....	118741	II
Hexachlorobutadiene .....	87683	II
Hexachloroethane .....	67721	II
Hexadiene (1,4-) .....	592450	II
Hexamethylene-tetramine.	100970	I
Hexane .....	110543	V
Hexanetriol (1,2,6-) .....	106694	IV
Hydroquinone .....	123319	I
Hydroxyadipaldehyde .....	141311	V
Isobutyl acrylate .....	106638	V
Isobutylene .....	115117	V
Isophorone .....	78591	IV
Isophorone nitrile .....	0017	V
Isophthalic acid .....	121915	III
Isopropylphenol .....	25168063	III
Linear alkylbenzene .....	— d	I
Maleic anhydride .....	108316	I
Maleic hydrazide .....	123331	I
Malic acid .....	6915157	I
Metanilic acid .....	121471	I
Methacrylic acid .....	79414	V
Methanol .....	67561	IV
Methionine .....	63683	I
Methyl acetate .....	79209	IV
Methyl acrylate .....	96333	V
Methyl bromide (Bromomethane) .....	74839	IV
Methyl chloride (Chloromethane) .....	74873	IV
Methyl ethyl ketone (2-butanone) .....	78933	V
Methyl formate .....	107313	II
Methyl hydrazine .....	60344	IV
Methyl isobutyl carbinol .....	108112	IV
Methyl isobutyl ketone (Hexone) .....	108101	IV
Methyl isocyanate .....	624839	IV
Methyl mercaptan .....	74931	IV
Methyl methacrylate .....	80626	IV
Methyl phenyl carbinol .....	98851	II
Methyl tent-butyl ether .....	1634044	V
Methylamine .....	74895	IV
Methylaniline (N-) .....	100618	III
Methylcyclohexane .....	108872	III
Methylcyclohexanol .....	25639423	V
Methylcyclohexanone .....	1331222	III
Methylene chloride (Dichloromethane).	75092	I
Methylene dianiline (4,4'-isomer) .....	101779	I
Methylene diphenyl diisocyanate (4,4')-(MDI).	101688	III

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**TABLE 1 TO SUBPART F—SYNTHETIC ORGANIC CHEMICAL MANUFACTURING INDUSTRY CHEMICALS—Continued**

Chemical name <sup>a</sup>	CAS No. <sup>b</sup>	Group
Methylionones (a-)	79696	V
Methylpentynol	77758	V
Methylstyrene (a-)	98839	I
Naphthalene	91203	IV
Naphthalene sulfonic acid (a-)	85472	IV
Naphthalene sulfonic acid (b-)	120183	IV
Naphthol (a-)	90153	IV
Naphthol (b-)	135193	IV
Naphtholsulfonic acid (1-)	567180	V
Naphthylamine sulfonic acid (1,4-)	84866	V
Naphthylamine sulfonic acid (2,1-)	81163	V
Naphthylamine (1-)	134327	V
Naphthylamine (2-)	91598	V
Nitroaniline (m-)	99092	II
Nitroaniline (c-)	88744	I
Nitroanisole (o-)	91236	III
Nitroanisole (p-)	100174	III
Nitrobenzene	98953	I
Nitronaphthalene (1-)	86577	IV
Nitrophenol (p-)	100027	III
Nitrophenol (o-)	88755	III
Nitropopropane (2-)	79469	II
Nitrotoluene (all isomers)	1321126	III
Nitrotoluene (o-)	88722	III
Nitrotoluene (m-)	99081	III
Nitrotoluene (p-)	99990	III
Nitroxylene	25168041	V
Nonylbenzene (branched)	1081772	V
Nonylphenol	25154523	V
Octene-1	111660	I
Octylphenol	27193288	III
Paraformaldehyde	30525894	I
Paraldehyde	123637	II
Pentachlorophenol	87865	III
Pentaerythritol	115775	I
Peracetic acid	79210	II
Perchloromethyl mercaptan	594423	IV
Phenanthere	85018	V
Phenetidine (p-)	156434	III
Phenol	108952	III
Phenolphthalein	77098	III
Phenolsulfonic acids (all isomers)	1333397	III
Phenyl anthranilic acid (all isomers)	91407	III
Phenylenediamine (p-)	106503	I
Phloroglucinol	108736	III
Phosgene	75445	IV
Phthalic acid	88993	III
Phthalic anhydride	85449	III
Phthalimide	85416	III
Phthalonitrile	91156	III
Picoline (b-)	108996	II
Piperazine	110850	I
Propiolactone (beta-)	57578	I
Propionaldehyde	123386	IV
Propionic acid	79094	I
Propylene carbonate	108327	V
Propylene dichloride (1,2-dichloropropane)	78875	IV
Propylene glycol	57556	I
Propylene glycol monomethyl ether ..	107982	I
Propylene oxide	75569	I
Pyrene	129000	V
Pyridine	110861	II
p-tert-Butyl tolune	98511	III
Quinone	106514	III
Resorcinol	108463	I
Salicylic acid	69727	III
Sodium methoxide	124414	IV
Sodium phenate	139026	III
Stilbene	588590	III

**Pt. 63, Subpt. F, Table 1**

**TABLE 1 TO SUBPART F—SYNTHETIC ORGANIC CHEMICAL MANUFACTURING INDUSTRY CHEMICALS—Continued**

Chemical name <sup>a</sup>	CAS No. <sup>b</sup>	Group
Styrene	100425	I
Succinic acid	110156	I
Succinonitrile	110612	I
Sulfanilic acid	121573	III
Sulfolane	126330	II
Tartaric acid	526830	I
Terephthalic acid	100210	II
Tetrabromophthalic anhydride	632791	III
Tetrachlorobenzene (1,2,4,5-)	95943	I
Tetrachloroethane (1,1,2,2-)	79345	II
Tetrachloroethylene (Perchloroethylene).	127184	I
Tetrachlorophthalic-anhydride.	117088	III
Tetraethyl lead	78002	IV
Tetraethylene glycol	112607	I
Tetraethylene pentamine.	112572	V
Tetrahydrofurran	109999	I
Tetrahydronaphthalene	119642	IV
Tetrahydrophthalic anhydride	85438	II
Tetramethylene-diamine.	110601	II
Tetramethyleneethylenediamine	110189	V
Tetramethyllead	75741	V
Toluene	108883	I
Toluene 2,4 diamine	95807	II
Toluene 2,4 diisocyanate	584849	II
Toluene diisocyanates (mixture)	26471625	II
Toluene sulfonic acids	104154	III
Toluenesulfonyl chloride	98599	III
Toluidine (o-)	95534	II
Trichloroaniline-(2,4,6-).	634935	III
Trichlorobenzene (1,2,3-)	87616	V
Trichlorobenzene (1,2,4-)	120821	I
Trichloroethane	71556	II
Trichloroethylene (1,1,1-)	79005	II
Trichlorofluoromethane	75694	I
Trichlorophenol	95954	I
Trichloroethylene	79016	I
Trichlorofluoromethane	75694	I
Triethylamine	121448	IV
Triethylene glycol	112276	I
Triethylene glycol	112492	I
Triethylene glycol monoethyl ether ...	112505	V
Triethylene glycol monomethyl ether	112356	I
Trimethylamine	75503	IV
Trimethylcyclohexanol	933482	IV
Trimethylcyclohexanone.	2408379	IV
Trimethylcyclohexylamine.	34216347	V
Trimethylolpropane	77996	I
Trimethylpentane (2,2,4-)	540841	V
Tripropylene glycol	24800440	V
Vinyl acetate	108054	II
Vinyl chloride (Chloroethylene)	75014	I
Vinyl toluene	25013154	III
Vinylcyclohexene (4-)	100403	II
Vinyldiene chloride (1,1-dichloroethylene).	75354	II
Vinyl(N-)-pyrrolidone(2-)	88120	V
Xanthates	140896	V

Pt. 63, Subpt. F, Table 2

TABLE 1 TO SUBPART F—SYNTHETIC ORGANIC CHEMICAL MANUFACTURING INDUSTRY CHEMICALS—Continued

Chemical name <sup>a</sup>	CAS No. <sup>b</sup>	Group
Xylene sulfonic acid .....	25321419	III
Xylenes (NOS) <sup>c</sup> .....	1330207	I
Xylene (m-) .....	108383	I
Xylene (o-) .....	95476	I
Xylene (p-) .....	106423	I
Xylenols (Mixed) .....	1300716	V
Xyliidene .....	1300738	III

<sup>a</sup>Isomer means all structural arrangements for the same number of atoms of each element and does not mean salts, esters, or derivatives.

<sup>b</sup>CAS Number = Chemical Abstract Service number.

<sup>c</sup>NOS = not otherwise specified.

<sup>d</sup>No CAS number assigned.

[59 FR 19454, Apr. 22, 1994, as amended at 59 FR 48176, Sept. 20, 1994; 61 FR 31439, June 20, 1996; 63 FR 26082, May 12, 1998]

TABLE 2 TO SUPPART F—ORGANIC HAZARDOUS AIR POLLUTANTS

Chemical name <sup>a,b</sup>	CAS No. <sup>c</sup>
Acenaphthene .....	83329
Acetaldehyde .....	75070
Acetamide .....	60355
Acetonitrile .....	75058
Acetophenone .....	98862
Acrolein .....	107028
Acrylamide .....	79061
Acrylic acid .....	79107
Acrylonitrile .....	107131
Alizarin .....	72480
Allyl chloride .....	107051
Aniline .....	62533
Anisidine (o-) .....	90040
Anthracene .....	120127
Anthraquinone .....	84651
Benzene .....	71432
Benzotrichloride .....	98077
Benzyl chloride .....	100447
Biphenyl .....	92524
Bis(chloromethyl)ether .....	542881
Bromoform .....	75252
Bromonaphthalene .....	27497514
Butadiene (1,3-) .....	106990
Carbon disulfide .....	75150
Carbon tetrachloride .....	56235
Chloroacetic acid .....	79118
Chloroacetophenone (2-) .....	532274
Chlorobenzene .....	108907
2-Chloro-1,3-butadiene (Chloroprene) .....	126998
Chloroform .....	67663
Chloronaphthalene .....	25586430
Chrysene .....	218019
Cresols and cresylic acids (mixed) .....	131973
Cresol and cresylic acid (o-) .....	95487
Cresol and cresylic acid (m-) .....	108394
Cresol and cresylic acid (p-) .....	106445
Cumene .....	98828
Dichlorobenzene (p-) .....	106467
Dichlorobenzidine (3,3") .....	91941
Dichloroethane (1,2-) (Ethylene dichloride) (EDC). ....	107062
Dichloroethylene (Bis(2-chloroethyl)ether) .....	111444
Dichloropropene (1,3-) .....	542756
Diethanolamine (2,2"-Iminodiethanol) .....	111422
Dimethylaniline (N,N-) .....	121697
Diethyl sulfate .....	64675

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TABLE 2 TO SUPPART F—ORGANIC HAZARDOUS AIR POLLUTANTS—Continued

Chemical name <sup>a,b</sup>	CAS No. <sup>c</sup>
Dimethylbenzidine (3,3") .....	119937
Dimethylformamide (N,N-) .....	68122
Dimethylhydrazine (1,1-) .....	58147
Dimethylphthalate .....	131113
Dimethylsulfate .....	77781
Dinitrophenol (2,4-) .....	51285
Dinitrotoluene (2,4-) .....	121142
Dioxane (1,4-) (1,4-Diethylenoxide) .....	123911
1,2-Diphenylhydrazine .....	122667
Epichlorohydrin (1-Chloro-2,3-epoxypropane) .....	106898
Ethyl acrylate .....	140885
Ethylbenzene .....	100414
Ethyl chloride (Chloroethane) .....	75003
Ethylene dibromide (Dibromoethane) .....	106934
Ethylene glycol .....	107211
Ethylene oxide .....	75218
Ethyldiene dichloride (1,1-Dichloroethane) .....	75343
Fluoranthene .....	206440
Formaldehyde .....	50000
Glycol ethers <sup>d</sup> .....	
Hexachlorobenzene .....	118741
Hexachlorobutadiene .....	87683
Hexachloroethane .....	67721
Hexane .....	110543
Hydroquinone .....	123319
Isophorone .....	78591
Maleic anhydride .....	108316
Methanol .....	67561
Methyl bromide (Bromomethane) .....	74839
Methylchloride (Chloromethane) .....	74873
Methyl ethyl ketone (2-Butanone) .....	78933
Methyl hydrazine .....	60344
Methyl isobutyl ketone (Hexone) .....	108101
Methyl isocyanate .....	624839
Methyl methacrylate .....	80626
Methyl tert-butyl ether .....	1634044
Methylene chloride (Dichloromethane) .....	75092
Methylene diphenyl diisocyanate (4,4") (MDI) .....	101688
Methylenedianiline (4,4") .....	101779
Naphthalene .....	91203
Naphthalene sulfonic acid ( $\alpha$ ) .....	85472
Naphthalene sulfonic acid ( $\beta$ ) .....	120183
Naphthol ( $\alpha$ ) .....	90153
Naphthol ( $\beta$ ) .....	135193
Naphtholsulfonic acid (1-) .....	567180
Naphthylamine sulfonic acid (1,4-) .....	84866
Naphthylamine sulfonic acid (2,1-) .....	81163
Naphthylamine (1-) .....	134327
Naphthylamine (2-) .....	91598
Nitronaphthalene (1-) .....	86577
Nitrobenzene .....	98953
Nitrophenol (p-) .....	100027
Nitropropane (2-) .....	79469
Phenanthrene .....	85018
Phenol .....	108952
Phenylenediamine (p-) .....	106503
Phosgene .....	75445
Phthalic anhydride .....	85449
Propiolactone (beta-) .....	57578
Propionaldehyde .....	123386
Propylene dichloride (1,2-Dichloropropane) .....	79875
Propylene oxide .....	75569
Pyrene .....	129000
Quinone .....	106514
Styrene .....	100425
Tetrachloroethane (1,1,2,2-) .....	79345
Tetrachloroethylene (Perchloroethylene) .....	127184
Tetrahydronaphthalene .....	119642
Toluene .....	108883
Toluene diamine (2,4-) .....	95807
Toluene diisocyanate (2,4-) .....	584849

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TABLE 2 TO SUPBART F—ORGANIC HAZARDOUS AIR POLLUTANTS—Continued

Chemical name <sup>a,b</sup>	CAS No. <sup>c</sup>
Toluidine (o-)	95534
Trichlorobenzene (1,2,4-)	120821
Trichloroethane (1,1,1-) (Methyl chloroform)	71556
Trichloroethane (1,1,2-) (Vinyl trichloride)	79005
Trichloroethylene	79016
Trichlorophenol (2,4,5-)	95954
Triethylamine	121448
Trimethylpentane (2,2,4-)	540841
Vinyl acetate	108054
Vinyl chloride (Chloroethylene)	75014
Vinylidene chloride (1,1-Dichloroethylene)	75354
Xylenes (NOS)	1330207
Xylene (m-)	108383
Xylene (o-)	95476

**Pt. 63, Subpt. F, Table 2**

TABLE 2 TO SUPBART F—ORGANIC HAZARDOUS AIR POLLUTANTS—Continued

Chemical name <sup>a,b</sup>	CAS No. <sup>c</sup>
Xylene (p-)	106423

<sup>a</sup> For all Listings above containing the word "Compounds," the following applies: Unless otherwise specified, these listings are defined as including any unique chemical substance that contains the named chemical (i.e., antimony, arsenic) as part of that chemical's infrastructure.

<sup>b</sup> Isomer means all structural arrangements for the same number of atoms of each element and does not mean salts, esters, or derivatives.

<sup>c</sup> CAS No.=Chemical Abstract Service number.

<sup>d</sup> Includes mono- and di- ethers of ethylene glycol, diethylene glycol, and triethylene glycol R-(OCH<sub>2</sub> CH<sub>2</sub>)<sub>n</sub>-OR where:

n=1, 2, or 3;

R=alkyl or aryl groups; and

R''=R, H or groups which, when removed, yield glycol ethers with the structure:

R-(OCH<sub>2</sub> CH<sub>2</sub>)<sub>n</sub>-OH

Polymers are excluded from the glycol category.

[62 FR 2735, Jan. 17, 1997]

Pt. 63, Subpt. F, Table 3

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TABLE 3.—GENERAL PROVISIONS APPLICABILITY TO SUBPARTS F, G, AND H<sup>a</sup> TO SUBPART F

Reference	Applies to subparts F, G, and H	Comment
63.1(a)(1)	Yes .....	Overlap clarified in §63.101, §63.111, §63.161.
63.1(a)(2)	Yes .....	§63.110 and §63.160(b) of subparts G and H identify which standards are overridden.
63.1(a)(3)	Yes .....	Subpart F specifies applicability of each paragraph in subpart A to subparts F, G, and H.
63.1(a)(4)	No .....	Subparts F, G, and H specify calendar or operating day.
63.1 (a)(5)—(a)(9)	No .....	Subpart F—§63.103(d) specifies acceptable methods for submitting reports. <sup>a</sup>
63.1(a)(10)	No .....	Subpart F specifies applicability.
63.1(a)(11)	Yes .....	Subpart F specifies applicability.
63.1 (a)(12)—(a)(14)	No .....	Subpart F specifies applicability.
63.1(b)(1)	Yes .....	Subpart F specifies applicability.
63.1(b)(2)	No .....	Subpart F specifies applicability.
63.1(b)(3)	Yes .....	Subpart F specifies applicability.
63.1(c)(1)	No .....	Subpart F specifies applicability.
63.1(c)(2)	No .....	Area sources are not subject to subparts F, G, and H.
63.1(c)(3)	No .....	Subparts G and H specify applicable notification requirements.
63.1(c)(4)	Yes .....	Subparts F, G, and H established before permit program.
63.1(c)(5)	No .....	Subpart F—§63.101(a) specifies those subpart A requirements that apply to the HON. Subpart F definition of "source" is equivalent to subpart A definition of "affected source."
63.1(d)	No .....	Units of measure are spelled out in subparts F, G, and H.
63.1(e)	Yes .....	This is a reserved paragraph in subpart A of part 63.
63.2	No .....	
63.3	Yes .....	Except the terms "source" and "stationary source" in §63.5(a)(1) should be interpreted as having the same meaning as "affected source."
63.4 (a)(1)—(a)(3)	No .....	Except §63.100(l) defines when construction or reconstruction is subject to standards for new sources.
63.4(a)(4)	Yes .....	This is a reserved paragraph in subpart A of part 63.
63.4(a)(5)	Yes .....	Except the cross reference to §63.9(b) is limited to §63.9(b) (4) and (5). Subpart F overrides §63.9(b)(1) through (b)(3).
63.4(b)	Yes .....	Except §63.100(l) defines when construction or reconstruction is subject to standards for new sources.
63.4(c)	Yes .....	This is a reserved paragraph in subpart A of part 63.
63.5(a)(1)	Yes .....	For subpart G, see §63.151(b) (2)(ii) and (2)(iii) for the applicability and timing of this submittal; for subpart H, see §63.182(b) (2)(ii) and (b)(2)(iii) for applicability and timing of this submittal.
63.5(a)(2)	No .....	Except §63.5(d)(1)(ii)(H) does not apply.
63.5(b)(1)	No .....	Subpart G requires submittal of the Notification of Compliance Status in §63.152(b); subpart H specifies requirements in §63.182(c).
63.5(b)(2)	No .....	
63.5(b)(3)	No .....	
63.5(b)(4)	No .....	
63.5(b)(5)	Yes .....	
63.5(b)(6)	Yes .....	
63.5(c)	No .....	
63.5(d)(1)(i)	No .....	
63.5(d)(1)(ii)	Yes .....	
63.5(d)(1)(iii)	No .....	

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No—subpart G No—subpart H.	Yes—subpart G No—subpart H.
63.5(d)(2)	Except § 63.5(d)(3)(ii) does not apply to subpart G.
63.5(d)(3)	
63.5(d)(4)	
63.5(e)	
63.5(f)(1)	Except the cross-reference to § 63.5(d)(1) is changed to §§ 63.151(b)(2)(ii) of subpart G and to § 63.182(b)(2)(ii) of subpart H. The cross-reference to § 63.5(b)(2) does not apply.
63.5(f)(2)	
63.6(a)	
63.6(b)(1)	Subparts F and H specify compliance dates for sources subject to subparts F, G, and H.
63.6(b)(2)	
63.6(b)(3)	
63.6(b)(4)	May apply when standards are proposed under Section 112(f) of the Clean Air Act.
63.6(b)(5)	
63.6(b)(6)	Subparts G and H include notification requirements.
63.6(b)(7)	
63.6(c)(1)	Subpart F specifies the compliance dates for subparts G and H.
63.6(c)(2)	
63.6(c)(3)	
63.6(c)(4)	
63.6(c)(5)	
63.6(d)	
63.6(e)	Except as otherwise specified for individual paragraphs. Does not apply to Group 2 emission points unless they are included in an emissions average. <sup>b</sup> This is addressed by § 63.102(a)(4) of subpart F.
63.6(e)(1)(i)	
63.6(e)(1)(ii)	
63.6(e)(1)(iii)	
63.6(e)(2)	
63.6(e)(3)(i)	
63.6(e)(3)(ii)(A)	No .....
63.6(e)(3)(ii)(B)	Yes .....
63.6(e)(3)(ii)(C)	Yes .....
63.6(e)(3)(ii)(D)	Yes .....
63.6(e)(3)(ii)(E)	No .....
63.6(e)(3)(iv)	
63.6(e)(3)(v)	
63.6(e)(3)(vi)	
63.6(e)(3)(vii)(A)	No .....
63.6(e)(3)(vii)(B)	Yes .....
63.6(e)(3)(vii)(C)	Yes .....
63.6(e)(3)(vii)(D)	Yes .....
63.6(f)(1)	No .....
63.6(f)(2)(i)	Yes .....
63.6(f)(2)(ii)	Yes .....
	§ 63.152(c)(2) of subpart G specifies the use of monitoring data in determining compliance with subpart G.

TABLE 3.—GENERAL PROVISIONS APPLICABILITY TO SUBPARTS F, G, AND H<sup>a</sup> TO SUBPART F—Continued

Reference	Applies to subparts F, G, and H	Comment
63.6(f)(2)(iii) (A), (B), and (C) .....	Yes.	
63.6(f)(2)(iv) (D) .....	No.	
63.6(f)(2)(v) .....	Yes.	
63.6(f)(2)(vi) .....	Yes.	
63.6(f)(3) .....	Yes.	
63.6(g) .....	No .....	Procedures specified in § 63.102(b) of subpart F.
63.6(h) .....	No .....	
63.6(i)(1) .....	Yes.	
63.6(i)(2) .....	Yes.	
63.6(i)(3) .....	No .....	
63.6(i)(4)(i) (A) .....	Yes.	
63.6(i)(4)(i) (B) .....	No .....	Dates are specified in § 63.151(a)(6)(i) of subpart G and § 63.182(a)(6)(i) of subpart H.
63.6(i)(4)(ii) .....	No .....	
63.6(i) (5)—(14) .....	Yes.	
63.6(i)(15) .....	No.	
63.6(i)(16) .....	Yes.	
63.6(j) .....	Yes.	
63.7(a)(1) .....	No .....	Subparts F, G, and H specify required testing and compliance demonstration procedures.
63.7(a)(2) .....	No .....	For subpart G, test results must be submitted in the Notification of Compliance Status due 150 days after compliance date, as specified in § 63.152(b); for subpart H, all test results subject to reporting are reported in periodic reports.
63.7(a)(3) .....	Yes.	
63.7(b) .....	No.	
63.7(c) .....	No.	
63.7(d) .....	Yes.	
63.7(e)(1) .....	Yes.	
63.7(e)(2) .....	Yes.	
63.7(e)(3) .....	No .....	Subparts F, G, and H specify test methods and procedures.
63.7(e)(4) .....	Yes.	
63.7(f) .....	No .....	Subparts F, G, and H specify applicable methods and provide alternatives.
63.7(g) .....	No .....	Performance test reporting specified in § 63.152(b) of subpart G; Not applicable to subpart H because no performance test required by subpart H.
63.7(h)(1) .....	Yes.	
63.7(h)(2) .....	Yes.	
63.7(h)(3) .....	No .....	§ 63.103(b)(5) of subpart F specifies provisions for requests to waive performance tests.
63.7(h)(4) .....	No .....	
63.7(h)(5) .....	Yes.	
63.8(a)(1) .....	Yes.	
63.8(a)(2) .....	No.	
63.8(a)(3) .....	No.	
63.8(a)(4) .....	Yes.	
63.8(b)(1) .....	Yes.	
63.8(b)(2) .....	No .....	Subparts G and H specify locations to conduct monitoring.
63.8(b)(3) .....	Yes.	

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63.8(c)(1)(i)	Yes.	For subpart G, submit as part of periodic report required by § 63.152(c); for subpart H, retain as required by § 63.181(g)(2)(ii).
63.8(c)(1)(ii)	No .....	
63.8(c)(1)(iii)	Yes.	
63.8(c)(2)	Yes.	Subpart G specifies monitoring frequency by kind of emission point and control technology used (e.g., § 63.111, § 63.120(d)(2), § 63.143, and § 63.152(f)); subpart H does not require use of continuous monitoring systems.
63.8(c)(3)	No .....	
63.8(c)(4)	No .....	
63.8 (c)(5)–(c)(8)	No.	
63.8(d)	No.	
63.8(e)	No.	
63.8 (f)(1)–(f)(3)	Yes.	Timeframe for submitting request specified in § 63.151(f) or (g) of subpart G; not applicable to subpart H because subpart H specifies acceptable alternative methods.
63.8(f)(4)(i)	No.	
63.8(f)(4)(ii)	Yes.	
63.8(f)(4)(iii)	No.	
63.8(f)(5)(i)	Yes.	
63.8(f)(5)(ii)	No.	
63.8(f)(5)(iii)	Yes.	
63.8(f)(6)	No.	
63.8(g)	No .....	
63.9(a)	Yes.	
63.9(b)(1)	No .....	
63.9(b)(2)	No .....	
63.9(b)(3)	No.	
63.9(b)(4)	Yes .....	
63.9(b)(5)	No .....	
63.9(c)	Yes.	
63.9(d)	No.	
63.9(e)	No.	
63.9(f)	No.	
63.9(g)	No.	
63.9(h)	No .....	
63.9(i)	Yes.	
63.9(j)	No.	
63.10(a)	Yes.	
63.10(b)(1)	No .....	
63.10(b)(2)	No .....	
63.10(b)(3)	No.	
63.10(c)	No.	
63.10(d)(1)	No .....	
63.10(d)(2)	No .....	
63.10(d)(3)	No .....	
63.10(d)(4)	Yes.	

TABLE 3.—GENERAL PROVISIONS APPLICABILITY TO SUBPARTS F, G, AND H<sup>a</sup> TO SUBPART F—Continued

Reference	Applies to subparts F, G, and H	Comment
63.10(d)(5) .....	Yes .....	Except that reports required by § 63.10(d)(5) shall be submitted at the time specified in § 63.152(d) of subpart G and in § 63.152(d) of subpart H.
63.10(e) .....	No.	
63.10(f) .....	Yes.	
63.11–63.15 .....	Yes.	

<sup>a</sup>Wherever subpart A specifies "postmark" dates, submittals may be sent by methods other than the U.S. Mail (e.g., by fax or courier). Submittals shall be sent by the specified dates, but a postmark is not necessarily required.<sup>b</sup>The plan, and any records or reports of start-up, shutdown, and malfunction do not apply to Group 2 emission points unless they are included in an emissions average.

[62 FR 2737, Jan. 17, 1997]

## Environmental Protection Agency

## § 63.110

TABLE 4 TO SUBPART F—ORGANIC HAZARDOUS AIR POLLUTANTS SUBJECT TO COOLING TOWER MONITORING REQUIREMENTS IN § 63.104

Chemical name	CAS Number <sup>a</sup>
Acetaldehyde .....	75070
Acetonitrile .....	75058
Acetophenone .....	98862
Acrolein .....	107028
Acrylonitrile .....	107131
Allyl chloride .....	107051
Aniline .....	62533
Anisidine (o-) .....	90040
Benzene .....	71432
Benzyl chloride .....	100447
Biphenyl .....	92524
Bromoform .....	75252
Butadiene (1,3-) .....	106990
Carbon disulfide .....	75150
Carbon tetrachloride .....	56235
Chloroacetophenone (2-) .....	532274
Chlorobenzene .....	108907
2-Chloro-1,3-butadiene (Chloroprene) .....	126998
Chloroform .....	67663
Cresol and cresylic acid (o-) .....	95487
Cresol and cresylic acid (m-) .....	108394
Cresol and cresylic acid (p-) .....	106445
Cumene .....	98828
Dichlorobenzene (p-) .....	106467
Dichlorobenzidine (3,3") .....	91941
Dichloroethane (1,2-) (Ethylene dichloride) (EDC). .	107062
Dichloroethyl ether (Bis(2-chloroethyl)ether) .....	111444
Dichloropropene (1,3-) .....	542756
Diethylene glycol diethyl ether .....	112367
Diethylene glycol dimethyl ether .....	111966
Diethyl sulfate .....	64675
Dimethylaniline (N,N-) .....	121697
Dimethylhydrazine (1,1-) .....	57147
Dimethyl phthalate .....	131113
Dimethyl sulfate .....	77781
Dinitrophenol (2,4-) .....	51285
Dinitrotoluene (2,4-) .....	121142
Dioxane (1,4-) (1,4-Diethyleneoxide) .....	123911
Epichlorohydrin (1-Chloro-2,3-epoxypropane) ..	106898
Ethyl acrylate .....	140885
Ethylbenzene .....	100414
Ethyl chloride (Chloroethane) .....	75003
Ethylene dibromide (Dibromoethane) .....	106934
Ethylene glycol dimethyl ether .....	110714
Ethylene glycol monobutyl ether .....	111762
Ethylene glycol monobutyl ether acetate .....	112072
Ethylene glycol monoethyl ether acetate .....	111159
Ethylene glycol monoethyl ether .....	110805
Ethylene glycol monomethyl ether .....	109864
Ethylene glycol monomethyl ether acetate .....	110496
Ethylene glycol monopropyl ether .....	2807309
Ethylene oxide .....	75218
Ethyldiene dichloride (1,1-Dichloroethane) .....	75343
Formaldehyde .....	50000
Hexachlorobenzene .....	118741
Hexachlorobutadiene .....	87683
Hexachloroethane .....	67721
Hexane .....	110543
Isophorone .....	78591
Methanol .....	67561
Methyl bromide (Bromomethane) .....	74839
Methyl chloride (Chloromethane) .....	74873
Methyl ethyl ketone (2-Butanone) .....	78933
Methyl hydrazine .....	60344
Methyl isobutyl ketone (Hexone) .....	108101
Methyl methacrylate .....	80626

TABLE 4 TO SUBPART F—ORGANIC HAZARDOUS AIR POLLUTANTS SUBJECT TO COOLING TOWER MONITORING REQUIREMENTS IN § 63.104—Continued

Chemical name	CAS Number <sup>a</sup>
Methyl tert-butyl ether .....	1634044
Methylene chloride (Dichloromethane) .....	75092
Methylenedianiline (4,4") .....	101779
Naphthalene .....	91203
Nitrobenzene .....	98953
Nitropropane (2-) .....	79469
Phenol .....	108952
Phenylenediamine (p-) .....	106503
Phosgene .....	75445
Propionaldehyde .....	123386
Propylene dichloride (1,2-Dichloropropane) .....	78875
Propylene oxide .....	75569
Quinone .....	106514
Styrene .....	100425
Tetrachloroethane (1,1,2,2-) .....	79345
Tetrachloroethylene (Perchloroethylene) .....	127184
Toluene .....	108883
Toluidine (o-) .....	95534
Trichlorobenzene (1,2,4-) .....	120821
Trichloroethane (1,1,1-) (Methyl chloroform) .....	71556
Trichloroethane (1,1,2-) (Vinyl trichloride) .....	79005
Trichloroethylene .....	79016
Trichlorophenol (2,4,5-) .....	95954
Triethylamine .....	121448
Trimethylpentane (2,2,4-) .....	540841
Vinyl acetate .....	108054
Vinyl chloride (chloroethylene) .....	75014
Vinyldiene chloride (1,1-Dichloroethylene) .....	75354
Xylene (m-) .....	108383
Xylene (o-) .....	95476
Xylene (p-) .....	106423

<sup>a</sup> CAS Number=Chemical Abstract Service number.

[62 FR 2740, Jan. 17, 1997]

## Subpart G—National Emission Standards for Organic Hazardous Air Pollutants From the Synthetic Organic Chemical Manufacturing Industry for Process Vents, Storage Vessels, Transfer Operations, and Wastewater

SOURCE: 59 FR 19468, Apr. 22, 1994, unless otherwise noted.

### § 63.110 Applicability.

(a) This subpart applies to all process vents, storage vessels, transfer racks, and wastewater streams within a source subject to subpart F of this part.

(b) *Overlap with other regulations for storage vessels.* (1) After the compliance dates specified in § 63.100 of subpart F of this part, a Group 1 or Group 2 storage vessel that is also subject to the